1:Gallin E-4,5 (1957-1958) 1966
AD5 Taiwan Hokkien AD5
Formosa AD1

just north of the Tropic of Cancer—the winters of this coastal area, unlike the interior, are cold and raw while the summers are extremely hot and humid. Winter temperatures seldom fall below the middle forties, but icy winds frequently blow with almost gale force across from the mainland and the Strait of Formosa. Although the area itself never has snow, on a clear January or February day snow-capped peaks of the high interior mountains to the east can be seen from the village.

As in most of Asia, rain is seasonal. Between 80 and 85 percent of the annual rainfall comes during the late spring and summer months (April to September) (Chen, 1950:5).[1] During the heaviest rains and the late summer typhoon season, roads as well as paddy fields are often flooded. In this particular area, frequently the rain alone makes it possible to transplant the rice seedlings, for the irrigation water is often late in reaching the Hsin Hsing area, lying as it does so far from the mountain headwaters. With the passing of the rainy season the weather is relatively dry for the remainder of the year, and all crops depend almost entirely on water from the elaborate irrigation system.

For two decades or more this area has been able to harvest three crops annually. In the irrigated areas two crops of rice are grown; sometimes a vegetable or some other crop is substituted. The third dry crop is usually wheat or sweet potatoes. On dry land, two or possibly three crops a year are grown as well. Such intensive cultivation has been made possible through a favorable climate, irrigation facilities, and an increased availability of chemical fertilizer. It has also come about partially as a result of the population increase, which has provided additional labor to work the available land and to exploit previously undeveloped lands.

Although most of the original inhabitants from the mainland settled on the relatively fertile coastal plain where Hsin Hsing is located, the land resources could not be fully exploited because of their small number. Today, this situation is reversed, and in spite of large-scale irrigation, land scarcity makes it necessary for parts of expanding families, and even whole households, to move to urban centers to find work. Land scarcity in the whole Hsin Hsing area is so severe that even villagers who remain there must go outside the village to earn a livelihood for their families or to supplement the family income. Although the problem may be unusually acute in Hsin Hsing village and in some neighboring villages, it must nevertheless be recognized that it is characteristic of a large part of Taiwan. If the population of the rural areas of the island continues to grow at its present rate, the land scarcity which is now so severe in the Hsin Hsing area will undoubtedly become a major problem for the greater part of the Taiwan countryside.

1:Gallin E-4,5 (1957-1958) 1966
AD5 Taiwan Hokkien AD5

In Hsin Hsing village, intensive cultivation of vegetables for market sale began with the onion, the red pepper, and then the green pepper. Often, too many farmers planted the same vegetable, its market price dropped, and most of them then switched to another vegetable that promised a good market. Today many farmers carefully watch the market situation and through the radio, or more usually by word of mouth, observe the fluctuations in the price of various vegetables.

A progressive farmer who hears about a new vegetable crop being grown in the area or reads about a new crop in an agricultural magazine like *Harvest Magazine* may then try to learn how to grow the same vegetable by setting aside a small portion of his land for the experiment. Such was the case with the green pepper. It was first planted in Hsin Hsing for market about 1955. By 1958 there were more than eleven farmers marketing it.

In recent years more and more land surface in Hsin Hsing, as well as in the area generally, has been given over to the cultivation of vegetables. One estimate holds that today the Hsin Hsing land devoted to market vegetables is twice what it was eight or nine years ago and still increasing. In fact, a reliable informant estimates that, exclusive of income from labor outside the area, approximately 10 percent of the village income is now derived from marketing vegetables, 70 percent from rice, 10 percent from the mint plant, 5 percent from farm labor, and 5 percent from miscellaneous sources. Such an increase in vegetable cultivation certainly represents a trend toward crop diversification, with the result that now the area is becoming much less the one-crop area (rice) for which it was formerly known.

In addition to farmers who substitute vegetable growing for partial or total rice cultivation on their land, there are a few farmers who grow mint or sugarcane. While the vegetable farmers are men who were forced by climatic or economic necessity to grow alternate crops, the mint and cane growers are men who, by virtue of sufficient land and money, can afford to gamble on reaping a greater profit from the cultivation of an alternate crop. Such men chose to grow mint or sugarcane because they are long-term crops demanding much less labor, time, and energy than is required for vegetable cultivation.

The man who grows mint instead of rice usually has contacts outside of the village. He must be familiar with the menthol oil market, and especially with the local menthol-distilling factories which can distill his mint crop for sale to the dealers. At the same time, he must have enough time to tend to all the details of arranging for the distillation and sale of the menthol. Two of the few villagers in Hsin Hsing who frequently grow mint are former landlords who have many contacts outside the village through politics and business dealings.

The mint plant, planted only once a year, yields four harvests dur-